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ABSTRACT

In order to provide information for affirmative action programs, data were collected about the ethnic and sexual composition of the 1973-74 graduates and faculty of U.S. library education programs. A tabulation of returns showed that graduates of all degree and certificate programs (graduate, undergraduate, and library technical assistant) were predominantly white, as were faculty members. Blacks and Asian Americans were being recruited into the library profession in numbers comparable to their representation in the pool of college graduates, but the Spanish-surnamed and American Indians were not. While three quarters of all master's degrees and 6th year certificates were earned by women, the women earned only one third of the doctoral degrees. White men outnumbered white women on library education program faculties, and more men than women held positions at the higher levels. Among minorities on faculties, blacks predominated with other ethnic groups appearing in very small numbers. Data tables are attached. (Author/LS)

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ED116646

American Library Association
Office for Library Personnel Resources

SURVEY OF GRADUATES AND FACULTY OF U.S. LIBRARY EDUCATION PROGRAMS AWARDING DEGREES AND CERTIFICATES, 1973-1974

The purpose of the Survey of Graduates and Faculty of U.S. Library Education Programs Awarding Degrees and Certificates, 1973-1974 (hereafter referred to as the Survey) is to collect data about the ethnic and sexual composition of the graduates and faculty of library education programs in the United States. Ethnic and sexual data are not collected in any of the other surveys presently being conducted, such as the North American Library Education Directory and Statistics (NALEDS, 1971-1973). A number of activities such as the following require these data: the development of affirmative action programs; the measurement of the profession's success in recruiting American Indians, Asian Americans, Spanish Surnamed, and Blacks; and the measurement of the position of women and minorities employed in library education programs.

Methodology

Library education programs included in the chapter, "Directory of U.S. Library Education Programs" in the North American Library Education Directory and Statistics, 1971-1973, and the list of Graduate Library School Programs Accredited by the American Library Association, August 1974 formed the Survey universe. These two sources were used because they provide the most complete definition of library education programs available.

In NALEDS, 1971-1973, library education programs are grouped into three broad categories (technical assistant, undergraduate, and graduate) and specific information about the programs is not given. For example, there is no information about degrees and certificates awarded in the "Directory of U.S. Library Education Programs." Although some undergarduate programs offer degrees, the majority of them offer only a minor in library science, courses for school library certification, or courses in support of other graduate degrees. From the NALEDS, 1971-1973, classification of programs, it is not possible to distinguish undergraduate degree granting library education programs from the other undergraduate library education programs. Though all undergraduate programs were sent questionnaires, only those programs known to award degrees and certificates were tabulated. The majority of surveys returned from undergraduate programs were not useable because they do not award degrees or certificates.

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U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
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One of the purposes of the Survey is to provide information for libraries' affirmative action programs. Data elements were designed to collect information about degrees and certificates awarded by library education programs rather than enrollment data because employers need to know the number of librarians entering the job market annually. Academic rank, highest degree held, and amount of time worked by faculty of library education programs are reported. The actual number of faculty members in the programs rather than the number of full time equivalents was collected to make possible the calculation of percentages of different ethnic groups in the work force.

Responses to Survey questionnaires are reported in Chart 1.

Chart 1

Survey Forms Sent and Returned
By Type of Program

U.S. Library Education Programs	Number Sent	Completed Forms Returned		Completed Forms Tabulated	
		Number	Percent	Number	Percent
Fifth year:					
ALA accredited	55	55	100	53	96.3
Non-accredited	82	45	54.8	40	48.7
Total	137	100	72.9	93	67.8
Undergraduate	216	90	41.6	17	7.8
Library Technical Assistant	133	71	53.3	51	38.3
Total	486	261		161	

The difference between the number of Survey forms returned and the number of Survey forms tabulated is either because the library education programs did not offer a degree or certificate or because the form was not completed as directed.

Results of the Survey

Three groups of tables make up the survey, and each group contains two tables. In Tables 1 and 2, information about degrees and certificates awarded is shown according to students' ethnicity and sex. Tables 3 and 4 report data for academic rank of faculty

by ethnicity, sex, and amount of time worked. Tables 5 and 6 report data for highest degree held by faculty by ethnicity, sex, and amount of time worked.

Special attention is given to the sex and ethnicity of graduates, as this information is important for describing employment in the profession and for faculty positions. For the remainder of this narrative, the term "ethnic group" will refer to the groups surveyed: White, American Indian, Asian American, Black, Spanish Surnamed, and Other. "Minority" will refer only to those groups specified for affirmative action: American Indian, Asian American, Spanish Surnamed, and Black.

For Tables 3 - 6, only data for full-time faculty are discussed, unless otherwise noted.

Table 1.--In Table 1, the number and percent of degrees and certificates awarded to women and men in U.S. library education programs are shown. Of the total number of library education graduates receiving degrees and certificates in 1973-1974, 80.5 percent were women and 19.4 percent were men. For the four minority groups, women also constitute the greatest number of graduates from both ALA accredited (436 women vs. 88 men) and non-accredited (107 women vs. 34 men) programs. Women comprised 72 percent or more of the total student graduates from each degree and certificate program except the doctoral program. At the doctoral level, men represented 63.8 percent of the total number of graduates, while women represented only 36.1 percent.

By ethnic group, 89.2 percent of all library education graduates were White. The remainder, in descending order, were: Black, 5.7 percent; Asian American, 2 percent; Other, 1.5 percent; Spanish Surnamed, 1.3 percent; and American Indian, 0.1 percent. Examination of the data from Master's level programs shows 6,323 students were graduated from ALA accredited programs while only 898 students were graduated from non-accredited programs. Clearly, ALA accredited programs produce 87.5 percent of the librarians entering the job market with Master's degrees.

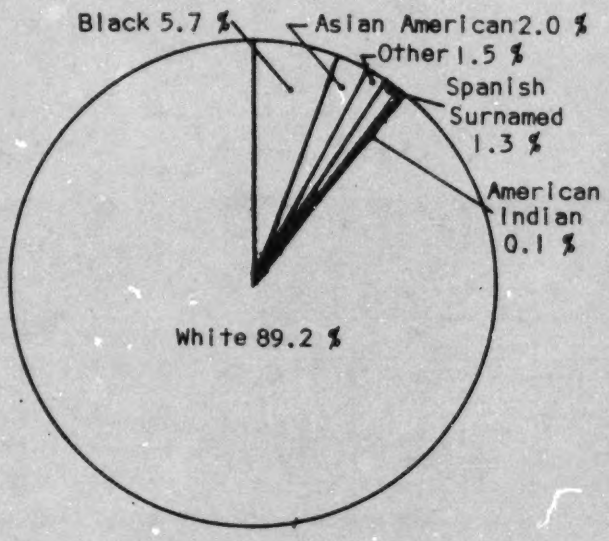
While it is not uncommon to hear people remark that minority students are graduated in larger numbers from non-accredited rather than from ALA accredited programs, the Survey data show that this is not the case. Five hundred twenty four minority students were graduated from ALA accredited programs while only 141 were graduated from non-accredited programs. Numerically, the majority (73 percent) of all minority groups were graduated from ALA accredited programs.

When examining the percent of minority graduates from ALA accredited and non-accredited programs, more Asian Americans were graduated from ALA accredited programs, while more American Indians, Spanish Surnamed, and Blacks were graduated from non-accredited programs. The reason that three minority groups have a higher percentage of graduates from non-accredited programs is because of the

wide spread between the base number against which the percentages were calculated: 898 graduates of non-accredited programs and 6,323 graduates of ALA accredited programs.

Table 2.--In Table 2 the number and percent of ethnic groups in various library education degree and certificate programs are described. The ethnic composition of graduates from U.S. library education programs is shown in Chart 2.

CHART 2
Ethnicity of Total U.S.
Library Education Graduates



Of all library education programs, the majority of men and women, including the majority of men and women from all ethnic groups, were graduated from Master's level programs: White, 83.2 percent; American Indian, 63.6 percent; Asian American, 90.5 percent; Black, 80.3 percent; Spanish Surnamed, 82.5 percent; Other, 95.3 percent; Total, 83.3 percent. The remaining 16 percent were graduated from other degree and certificate programs.

The Master's degree generally is recognized as the professional degree, but in more and more instances the doctoral degree is being required for appointment to faculty positions in library education programs and higher level management positions. An examination of doctoral graduates shows that within each ethnic group, the number and percentage of graduates from doctoral programs is relatively small, particularly for minority groups: Asian American, 3 (1.6 percent); Other, 2 (1.5 percent); Spanish Surnamed, 1 (0.8 percent); White, 39 (0.5 percent); Black, 2 (0.4 percent); American Indian, 0 (0.0 percent). For all ethnic groups, 50 percent or more of all doctoral graduates were men.

Recruitment.--The number of minorities - American Indian, Asian American, Spanish Surnamed, and Black - recruited into the library profession at the Master's level is directly related to the number of persons from these minority groups available for recruitment from the pool of college graduates. Chart 3 contains data that show the pool of college graduates in 1973 with the graduates from Master's level programs in 1973-1974.

CHART 3

Comparison of
Number of Undergraduate Degrees Awarded in 1973
with Number of Master's Degrees in Library Science Awarded, 1973-74

Degree Recipients	Degrees Awarded in U.S., 1973 and 1974				Percent Difference
	Undergraduate Degrees, 1973		Master's Degrees Awarded by All U.S. Library Education Programs, 1973-74		
	Number	Percent	Number	Percent	
White	768,733	91.5	6,432	89.0	- 2.5
American Indian	1,300	0.1	7	0.0	- 0.1
Asian American	8,397	1.0	162	2.2	+ 1.2
Black	43,666	5.2	397	5.4	+ 0.2
Spanish Surnamed	17,643	2.1	99	1.3	- 0.8
Other	( )	( )	(124)	(1.7)	
TOTAL	839,730	99.9	7,221	99.9	

Sources: For all undergraduate data, Racial and Ethnic Data from Institutions of Higher Education, Fall 1970 (U.S. Dept. of Health, Education, and Welfare). Data about American Indian undergraduates were obtained through the Bureau of Indian Affairs, Albuquerque, New Mexico. Master's level data are taken from Table I of this Survey.

When a comparison of percentages of minority persons graduating from Master's level library education programs is made with the percentage of minorities graduating from college, it may be seen that Asian Americans and Blacks are graduated from Master's level programs in a number that is equal to or slightly more than their

availability in the pool of college graduates. On the other hand, Spanish Surnamed and American Indians are graduated from Master's level programs in numbers that are less than their availability in the pool of college graduates. This means that 7 additional American Indians and 58 additional Spanish Surnamed students should have been graduated from a Master's degree program in 1973-1974.

Table 3.--The academic rank of faculty in U.S. library education programs granting degrees and certificates is described by ethnic group, sex, and amount of time worked. The White ethnic group constitutes 91.2 percent of all library educators and of this group 51.5 percent are males and 39.6 percent are females. The remaining ethnic groups have a small representation in library education. In descending order, they are: Black, 5 percent; Asian American, 1.6 percent; Other, 1.3 percent; Spanish Surnamed, 0.4 percent; and American Indian, 0.2 percent.

Women from the American Indian, Asian American, and Black ethnic groups have more appointments to faculty positions than men, but the reverse is true for White, Spanish Surnamed, and Others, where more men hold appointments than women. In Tables 1 and 2 it was shown that 50 percent or more of all doctoral graduates are men. The fact that there are more Asian American and Black women in library education may suggest an employment pattern for these two ethnic groups; more women choose library education for career development while more men choose other types of work.

Table 4.--Table 4 reports data on the ethnicity of faculty in U.S. library education programs granting degrees and certificates by academic rank, sex, and amount of time worked. Men and women from minority groups, as well as White women, need to know their academic rank relative to the total library faculty community and to their own ethnic group in order to evaluate their relative position.

An overview of the ethnicity of faculty by academic rank shows that there are clusters of ethnic groups around specific rank levels. Whites and Blacks have representation at all academic rank levels, while Asian American, American Indian, and Spanish Surnamed do not. The cluster or concentration pattern of each ethnic group for women, for men, and for the total ethnic group by academic rank, number, and percent, is given below.

White.

Women:	Assistant Professor,	124,	16.3 percent
Men:	Assistant Professor,	154,	20.3 percent
	Professor,	134,	17.7 percent
Group:	Assistant Professor,	278,	36.7 percent

American Indian.

Women:	Assistant Professor,	1,	50.0 percent
	Other Lecturer,	1,	50.0 percent
Men:	No representation		
Group:	Assistant Professor,	1,	50.0 percent
	Other Lecturer,	1,	50.0 percent

Asian American.

Women:	Assistant Professor,	4,	28.5 percent
Men:	Associate Professor,	3,	21.4 percent
Group:	Associate Professor,	6,	42.8 percent

Black.

Women:	Assistant Professor,	11,	26.1 percent
Men:	Associate Professor,	6,	14.2 percent
Group:	Assistant Professor,	14,	33.3 percent

Spanish Surnamed.

Women:	Associate Professor,	1,	25.0 percent
Men:	Assistant Professor,	1,	25.0 percent
	Associate Professor,	1,	25.0 percent
	Other Lecturer	1,	25.0 percent
Group:	Associate Professor,	2,	50.0 percent

Other.

Women:	No representation		
Men:	Associate Professor,	5,	45.4 percent
Group:	Associate Professor,	5,	45.4 percent

Total.

Women:	Assistant Professor,	140,	16.8 percent
Men:	Assistant Professor,	161,	19.3 percent
Group:	Assistant Professor,	301,	36.2 percent

In summary, Table 4 shows the status by academic rank of men and women in each ethnic group in library education programs. In terms of the Total, the number of women (369 or 44.4 percent) faculty members is approaching the number of men (461 or 55.5 percent). Men represent more of the faculty for Whites, Spanish Surnamed, and Others, while women represent more of the faculty for American Indians, Asian Americans, and Blacks. There were no American Indian males reported on library education faculties. All men hold either more positions or positions of higher rank than women, with the exception of the rank of Instructor.

Table 5.--Data about highest degree held for faculty in U.S. library education programs are displayed in Table 5. The data are shown by ethnic group, sex, and amount of time worked.

A pattern of the type of degrees held by library educators and the amount of time worked may be seen in Table 5. Library educators holding a Baccalaureate degree only constitute a small percentage of the total number of faculty members (6.5 percent of a total of 794 part time faculty and 3.3 percent of the total of 846 full time faculty). Data for faculty holding Master's and doctoral degrees have been taken out of Table 5 and are shown in Chart 4.

CHART 4

A Comparison of Highest Degree Held by Faculty
In U.S. Library Education Programs
By Subject Area and Amount of Time Worked

	Master's Degree				Doctorate				Total			
	Part time		Full time		Part time		Full time		Part time		Full time	
Subject Area	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent	Number	Per Cent
Library Science	510	85	346	86	42	28	290	69	552	74	636	77
Other Subject area	86	14	54	13	104	71	128	30	190	25	182	22
Total	596	99	400	99	146	99	418	99	742	99	818	99

Data displayed in Chart 4 indicate that more faculty members holding Master's degrees in library science and other subject areas work part time than full time. The reverse is true of holders of doctoral degrees; more work full time than part time.

Another pattern that emerges is the subject area in which the degree is held. For total faculty in library education programs, more doctoral and Master's degrees are in library science than in other subject areas. The only exception is for part time doctoral faculty; more of them hold degrees in other subject areas than in library science. The difference is small and does not affect the over-all pattern.

A final pattern concerning the degrees held by faculty is the proportion of Master's degrees to doctoral degrees. Two out of three library educators hold Master's degrees.

Table 6.--In Table 6 data about the ethnicity of faculty in U.S. library education programs granting degrees and certificates are reported. The data are shown by highest degree held, sex, and amount of time worked.

An examination of each ethnic group for highest degree held shows that men and women have a higher percentage of library science degrees at the Master's and doctoral levels than they do for other subject area degrees. The only exception to this pattern was in the Spanish Surnamed group; one male has a Master's degree and one has a doctorate, and neither is in library science. The Spanish Surnamed women were not reported on the Survey instruments for Tables 5 and 6. This was an omission by the recorder because they do appear on the instruments for Tables 3 and 4.

Conclusion

This Survey reports the sexual and ethnic composition of graduates and faculty members of U.S. library education programs granting degrees and certificates. These data are not being collected currently and they are needed by the library community for a number of different purposes, one of which is the development of affirmative action plans. Four ethnic groups (American Indians, Asian Americans, Spanish Surnamed, and Blacks) have been specified by the federal government for affirmative action.

The results of the Survey show that the graduates of these programs and the members of the faculties are predominantly White. Blacks and Asian Americans are being recruited into the library profession in numbers that are comparable to their representation in the pool of college graduates. Spanish Surnamed and American Indians, however, are not being recruited into the profession in numbers comparable to their availability in the pool of college graduates. Consistent with this recruitment effort, Blacks appear to be joining the profession in the greatest numbers, and Asian Americans, next greatest.

Librarianship is a profession in which more than three quarters of all Master's degrees in 1973-1974 were awarded to women; and almost three-quarters of the 6th year certificates were awarded to women. At the doctoral level, however, only slightly more than one-third of the degrees were awarded to women; this number is disproportionate to the number of women who hold Master's degrees in library science.

Most faculty members teaching in library education programs are White men, with White women making up the next largest group. Of the ethnic groups represented on these faculties, Blacks have the largest number, with Asian Americans, American Indians, and Spanish Surnamed constituting a very small group. In terms of faculty rank, White men hold more positions at every level except instructor. White women are employed at all levels of academic rank, but far fewer of them hold the rank of Professor than do White men. Most library educators have Master's and doctoral degrees in library science rather than in other subject areas.

One of the uses of this Survey is to provide data for the design and preparation of affirmative action programs. Current information about the degrees and certificates awarded is part of the data required to develop and affirmative action plan. The companion research on the sexual and ethnic composition of employees, by job and salary levels, is being planned. The Survey of Graduates and Faculty From Library Education Programs in the United States Awarding Degrees and Certificates will be conducted again for the academic year 1974-1975.

AMERICAN LIBRARY ASSOCIATION
Office for Library Personnel
Resources
November, 1975

TABLE I DEGREES AND CERTIFICATES AWARDED IN U.S. LIBRARY EDUCATION PROGRAMS BY ETHNIC GROUP AND SEX
SEPTEMBER 1, 1973 - AUGUST 31, 1974

Ethnic Group	Line No.	Sex	Degrees and Certificates Awarded in the U.S.															
			Associate of Arts		Bacca-laureate		Master's Degree						6th Year Certificate		Doctorate		TOTAL	
							Non Accredited		ALA Accredited		Subtotal							
			Freq.	Per cent	Freq.	Per cent	Freq.	Per cent	Freq.	Per cent	Freq.	Per cent	Freq.	Per cent	Freq.	Per cent	Freq.	Per cent
(a)			(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
White	(1)	F	398	82.7	708	84.5	625	69.5	4434	70.1	5059	70.0	43	57.3	15	31.9	6223	71.8
	(2)	M	16	3.3	73	8.7	128	14.2	1245	19.6	1373	19.0	18	24.0	24	51.0	1504	17.3
	(3)	†	414	86.0	781	93.3	753	83.8	5679	89.8	6432	89.0	61	81.3	39	82.9	7727	89.2
American Indian	(4)	F	2	0.4	2	0.2	1	0.1	4	0.0	5	0.0	0	0.0	0	0.0	9	0.1
	(5)	M	0	0.0	0	0.0	0	0.0	2	0.0	2	0.0	0	0.0	0	0.0	2	0.0
	(6)	†	2	0.4	2	0.2	1	0.1	6	0.0	7	0.0	0	0.0	0	0.0	11	0.1
Asian American	(7)	F	9	1.8	4	0.4	9	1.0	131	2.0	140	1.9	0	0.0	1	2.1	154	1.7
	(8)	M	0	0.0	1	0.1	3	0.3	19	0.3	22	0.3	0	0.0	2	4.2	25	0.2
	(9)	†	9	1.8	5	0.5	12	1.3	150	2.3	162	2.2	0	0.0	3	6.3	179	2.0
Black	(10)	F	44	9.1	39	4.6	79	8.7	255	4.4	334	4.6	9	12.0	1	2.1	427	4.9
	(11)	M	1	0.2	1	0.1	11	1.2	52	0.8	63	0.8	1	1.3	1	2.1	67	0.7
	(12)	†	45	9.3	40	4.7	90	10.0	307	4.8	397	5.4	10	13.3	2	4.2	494	5.7
Spanish Surnamed	(13)	F	8	1.6	9	1.0	18	2.0	46	0.7	64	0.8	1	1.3	0	0.0	82	0.9
	(14)	M	2	0.4	0	0.0	20	2.2	15	0.2	35	0.4	0	0.0	1	2.1	38	0.4
	(15)	†	10	2.0	9	1.0	38	4.2	61	0.9	99	1.3	1	1.3	1	2.1	120	1.3
Other	(16)	F	1	0.2	0	0.0	2	0.2	77	1.2	79	1.0	1	1.3	0	0.0	81	0.9
	(17)	M	0	0.0	0	0.0	2	0.2	43	0.6	45	0.6	2	2.6	2	4.2	49	0.5
	(18)	†	1	0.2	0	0.0	4	0.4	120	1.8	124	1.7	3	4.0	2	4.2	130	1.5
TOTAL	(19)	F	462	96.0	762	91.0	734	81.7	4947	78.2	5681	78.6	54	72.0	17	36.1	6976	80.5
	(20)	M	19	3.9	75	8.9	164	18.2	1376	21.7	1540	21.3	21	28.0	30	63.8	1685	19.4
	(21)	T	481	99.9	837	99.9	898	99.9	6323	99.9	7221	99.9	75	100.0	47	99.9	8661	99.9

Frequencies total down and across.
Percentages are computed down and the total appears in line 21. For example, in line 1, 398 (column b) is 82.7%.(column c) of 481 (line 21, column b); and 6,223 (column p) is 71.8% (column q) of 8,661 (line 21, column p).
To define the labor pool of 1973-1974 fifth year graduate librarians for affirmative action purposes, refer to columns (j) and (k)

American Library Association
Office for Library Personnel Resources 11/75

TABLE 2 ETHNICITY OF GRADUATES FROM U.S. LIBRARY EDUCATION PROGRAMS BY TYPE OF DEGREE AND SEX
SEPTEMBER 1, 1973 - AUGUST 31, 1974

Degrees and Certificates Awarded (a)	Line no.	Sex	Ethnic Groups: White Freq (b)	White Per cent (c)	American Indian Freq (d)	American Indian Per cent (e)	Asian American Freq (f)	Asian American Per cent (g)	Black Freq (h)	Black Per cent (i)	Spanish Surnamed Freq (j)	Spanish Surnamed Per cent (k)	Other Freq (l)	Other Per cent (m)	TOTAL Freq (n)	TOTAL Per cent (o)
Associate of Arts	(1)	F	398	5.1	2	18.1	9	5.0	44	8.9	8	6.6	1	0.7	462	5.3
	(2)	M	16	0.2	0	0.0	0	0.0	1	0.2	2	1.6	0	0.0	19	0.2
	(3)	†	414	5.3	2	18.1	9	5.0	45	9.1	10	8.3	1	0.7	481	5.5
Baccalaureate	(4)	F	708	9.1	2	18.1	4	2.2	39	7.8	9	7.5	0	0.0	762	8.7
	(5)	M	73	0.9	0	0.0	1	0.5	1	0.2	0	0.0	0	0.0	75	0.8
	(6)	†	781	10.1	2	18.1	5	2.7	40	8.0	9	7.5	0	0.0	837	9.6
Master's Degree: Non Accredited	(7)	F	625	8.0	1	9.0	9	5.0	79	15.9	18	15.0	2	1.5	734	8.4
	(8)	M	128	1.6	0	0.0	3	1.6	11	2.2	20	16.6	2	1.5	164	1.8
	(9)	†	753	9.7	1	9.0	12	6.7	90	18.2	38	31.6	4	3.0	898	10.3
Master's Degree: ALA Accredited	(10)	F	4434	57.3	4	36.3	131	73.1	255	51.6	46	38.3	77	59.2	4947	57.1
	(11)	M	1245	16.1	2	18.1	19	10.6	52	10.5	15	12.5	43	33.0	1376	15.8
	(12)	†	5679	73.4	6	54.5	150	83.7	307	62.1	61	50.8	120	92.3	6323	73.0
Master's Degree: Subtotal	(13)	F	5059	65.4	5	45.4	140	78.2	334	67.6	64	53.3	79	60.7	5681	65.5
	(14)	M	1373	17.7	2	18.1	22	12.2	63	12.7	35	29.1	45	34.6	1540	17.7
	(15)	†	6432	83.2	7	63.6	162	90.5	397	80.3	99	82.5	124	95.3	7221	83.3
6th Year Certificate	(16)	F	43	0.5	0	0.0	0	0.0	9	1.8	1	0.8	1	0.7	54	0.6
	(17)	M	18	0.2	0	0.0	0	0.0	1	0.2	0	0.0	2	1.5	21	0.2
	(18)	†	61	0.7	0	0.0	0	0.0	10	2.0	1	0.8	3	2.3	75	0.8
Doctorate	(19)	F	15	0.1	0	0.0	1	0.5	1	0.2	0	0.0	0	0.0	17	0.1
	(20)	M	24	0.3	0	0.0	2	1.1	1	0.2	1	0.8	2	1.5	30	0.3
	(21)	†	39	0.5	0	0.0	3	1.6	2	0.4	1	0.8	2	1.5	47	0.5
TOTAL	(22)	F	6223	80.5	9	81.8	154	86.0	427	86.4	82	68.3	81	62.3	6976	80.5
	(23)	M	1504	19.4	2	18.1	25	13.9	67	13.5	38	31.6	49	37.6	1685	19.4
	(24)	T	7727	99.9	11	99.9	179	99.9	494	99.9	120	99.9	130	99.9	8661	99.9

Frequencies total down and across. Percentages are computed down and the total appears in line 24.
For example, in line 1, 398 (column b) is 5.1% (column c) of 7,727 (line 24, column b); and
481 (line 3, column n) is 5.5% (line 3, column o) of 8,661 (line 24, column n).

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TABLE 3 ACADEMIC RANK OF FACULTY IN U.S. LIBRARY EDUCATION PROGRAMS GRANTING DEGREES AND CERTIFICATES BY ETHNIC GROUP, SEX, AND TIME WORKED
SEPTEMBER 1, 1973 - AUGUST 31, 1974

Ethnic Group	Line No.	Sex	Academic Rank of Faculty in U.S. Library Education Programs: Instructor Part Time Freq	Instructor Part Time Per cent	Instructor Full Time Freq	Instructor Full Time Per cent	Assistant Professor Part Time Freq	Assistant Professor Part Time Per cent	Assistant Professor Full Time Freq	Assistant Professor Full Time Per cent	Associate Professor Part Time Freq	Associate Professor Part Time Per cent	Associate Professor Full Time Freq	Associate Professor Full Time Per cent	Professor Part Time Freq	Professor Part Time Per cent	Professor Full Time Freq	Professor Full Time Per cent	Other Lecturer etc. Part Time Freq	Other Lecturer etc. Part Time Per cent	Other Lecturer etc. Full Time Freq	Other Lecturer etc. Full Time Per cent	TOTAL Part Time Freq	TOTAL Part Time Per cent	TOTAL Full Time Freq	TOTAL Full Time Per cent
(a)			(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)	(y)
	(1)	F	106	63.0	30	54.5	67	52.3	124	41.1	30	46.8	93	41.5	12	18.7	65	31.4	175	48.4	17	39.5	390	46.9	329	39.6
White	(2)	M	57	33.9	16	29.0	53	41.4	154	51.1	30	46.8	106	47.3	49	76.5	134	64.7	153	42.3	18	41.8	342	43.5	428	51.5
	(3)	†	163	97.0	46	83.6	120	93.7	278	92.3	60	93.7	199	88.8	61	95.3	199	96.1	328	90.8	35	81.3	732	93.2	757	91.2
	(4)	F	0	0.0	0	0.0	0	0.0	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.3	0	0.0	2	0.2
American Indian	(5)	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	(6)	†	0	0.0	0	0.0	0	0.0	1	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.3	0	0.0	2	0.2
	(7)	F	0	0.0	2	3.6	0	0.0	4	1.3	1	1.5	3	1.3	0	0.0	0	0.0	4	1.1	0	0.0	5	0.6	9	1.0
Asian American	(8)	M	0	0.0	0	0.0	0	0.0	1	0.3	0	0.0	3	1.3	0	0.0	1	0.4	3	0.8	0	0.0	3	0.3	5	0.6
	(9)	†	0	0.0	2	3.6	0	0.0	5	1.6	1	1.5	6	2.6	0	0.0	1	0.4	7	1.9	0	0.0	8	1.0	14	1.6
	(10)	F	4	2.3	6	10.9	3	2.3	11	3.6	2	3.1	6	2.6	0	0.0	3	1.4	6	1.6	2	4.6	15	1.9	28	3.3
Black	(11)	M	1	0.5	1	1.8	1	0.7	3	0.9	0	0.0	6	2.6	2	3.1	2	0.9	7	1.9	2	4.6	11	1.4	14	1.6
	(12)	†	5	2.9	7	12.7	4	3.1	14	4.6	2	3.1	12	5.3	2	3.1	5	2.4	13	3.6	4	9.3	26	3.3	42	5.0
	(13)	F	0	0.0	0	0.0	1	0.7	0	0.0	0	0.0	1	0.4	0	0.0	0	0.0	4	1.1	0	0.0	5	0.6	1	0.1
Spanish Surnamed	(14)	M	0	0.0	0	0.0	1	0.7	1	0.3	1	1.5	1	0.4	0	0.0	0	0.0	2	0.5	1	2.3	4	0.5	3	0.3
	(15)	†	0	0.0	0	0.0	2	1.5	1	0.3	1	1.5	2	0.8	0	0.0	0	0.0	6	1.6	1	2.3	9	1.1	4	0.4
	(16)	F	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Other	(17)	M	0	0.0	0	0.0	2	1.5	2	0.6	0	0.0	5	2.2	1	1.5	2	0.9	7	1.9	2	4.6	10	1.2	11	1.3
	(18)	†	0	0.0	0	0.0	2	1.5	2	0.6	0	0.0	5	2.2	1	1.5	2	0.9	7	1.9	2	4.6	10	1.2	11	1.3
	(19)	F	110	65.4	38	69.0	71	55.4	140	46.5	33	51.5	103	45.9	12	18.7	68	32.8	189	52.3	20	46.5	415	58.2	369	44.5
TOTAL	(20)	M	58	34.5	17	30.9	57	44.5	161	53.4	31	48.4	121	54.0	52	81.2	139	67.1	172	47.6	23	53.4	370	47.1	461	55.5
	(21)	T	168	99.9	55	99.9	128	99.9	301	99.9	64	99.9	224	99.9	64	99.9	207	99.9	361	99.9	43	99.9	785	99.9	830	99.9

Frequencies total down and across.
Percentages are computed down and the total appears in line 21. For example, in line 1, 106 (column b) is 63% (column c) of 168 (line 21, column b).

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TABLE 4 ETHNICITY OF FACULTY IN U.S. LIBRARY EDUCATION PROGRAMS GRANTING DEGREES AND CERTIFICATES
BY ACADEMIC RANK, SEX, AND TIME WORKED
SEPTEMBER 1, 1973 - AUGUST 31, 1974

Academic Rank	Line No.	Sex	Ethnicity of Faculty in U.S. Library Education Programs: White				American Indian				Asian American				Black				Spanish Surnamed				Other				TOTAL			
			Part Time		Full Time		Part Time		Full Time		Part Time		Full Time		Part Time		Full Time		Part Time		Full Time		Part Time		Full Time		Part Time		Full Time	
			Freq.	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent
(a)			(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)	(y)	(z)	(a')	(b')	(c')
Instructor	(1)	F	106	14.4	30	3.9	0	0.0	0	0.0	0	0.0	2	14.2	4	15.3	6	14.2	0	0.0	0	0.0	0	0.0	0	0.0	110	14.0	38	4.5
	(2)	M	57	7.7	16	2.1	0	0.0	0	0.0	0	0.0	0	0.0	1	3.8	1	2.3	0	0.0	0	0.0	0	0.0	0	0.0	58	7.3	17	2.0
	(3)	T	163	22.2	46	6.0	0	0.0	0	0.0	0	0.0	2	14.2	5	19.2	7	16.6	0	0.0	0	0.0	0	0.0	0	0.0	168	21.4	55	6.6
Assistant Professor	(4)	F	67	9.1	124	16.5	0	0.0	1	50.0	0	0.0	4	28.5	3	11.5	11	26.1	1	11.1	0	0.0	0	0.0	0	0.0	71	9.0	140	16.8
	(5)	M	53	7.2	154	20.3	0	0.0	0	0.0	0	0.0	1	7.1	1	3.8	3	7.1	1	11.1	1	25.0	2	20.0	2	18.1	57	7.2	161	19.3
	(6)	T	120	16.3	278	36.7	0	0.0	1	50.0	0	0.0	5	35.7	4	15.3	14	33.3	2	22.2	1	25.0	2	20.0	2	18.1	128	16.3	301	36.2
Associate Professor	(7)	F	30	4.0	93	12.2	0	0.0	0	0.0	1	12.5	3	21.4	2	7.6	6	14.2	0	0.0	1	25.0	0	0.0	0	0.0	33	4.2	103	12.4
	(8)	M	30	4.0	106	14.0	0	0.0	0	0.0	0	0.0	3	21.4	0	0.0	6	14.2	1	11.1	1	25.0	0	0.0	5	45.4	31	3.9	121	14.5
	(9)	T	60	8.1	199	26.2	0	0.0	0	0.0	1	12.5	6	42.8	2	7.6	12	28.5	1	11.1	2	50.0	0	0.0	5	45.4	64	8.1	224	26.9
Professor	(10)	F	12	1.6	65	8.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	7.1	0	0.0	0	0.0	0	0.0	0	0.0	12	1.5	68	8.1
	(11)	M	49	6.6	134	17.7	0	0.0	0	0.0	0	0.0	1	7.1	2	7.6	2	4.7	0	0.0	0	0.0	1	10.0	2	18.1	52	6.6	139	16.7
	(12)	T	61	8.3	199	26.2	0	0.0	0	0.0	0	0.0	1	7.1	2	7.6	5	11.9	0	0.0	0	0.0	1	10.0	2	18.1	64	8.1	207	24.9
Other Lecturer etc.	(13)	F	175	23.9	17	2.2	0	0.0	1	50.0	4	50.0	0	0.0	6	23.0	2	4.7	4	44.4	0	0.0	0	0.0	0	0.0	189	24.0	20	2.4
	(14)	M	153	20.9	18	2.3	0	0.0	0	0.0	3	37.5	0	0.0	7	26.9	2	4.7	2	22.2	1	25.0	7	70.0	2	18.1	172	21.9	23	2.7
	(15)	T	328	44.8	35	4.6	0	0.0	1	50.0	7	87.5	0	0.0	13	50.0	4	9.5	6	66.6	1	25.0	7	70.0	2	18.1	361	45.9	43	5.1
TOTAL	(16)	F	390	53.2	329	43.4	0	0.0	2	100	5	62.5	9	64.2	15	57.6	28	66.6	5	55.5	1	25.0	0	0.0	0	0.0	415	52.8	369	44.4
	(17)	M	342	46.7	428	56.5	0	0.0	0	0.0	3	37.5	5	35.7	11	42.3	14	33.3	4	44.4	3	75.0	10	100	11	100	370	47.1	461	55.5
	(18)	T	732	99.9	757	99.9	0	0.0	2	100	8	100	14	99.9	26	99.9	42	99.9	9	99.9	4	100	10	100	11	100	785	99.9	830	99.9

Frequencies total down and across.
Percentages are computed down and the total appears in line 18. For example, in line 1, 106 (column b) is 14.4% (column c) of 732 (line 18, column b).

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TABLE 5 HIGHEST DEGREE HELD BY FACULTY IN U.S. LIBRARY EDUCATION PROGRAMS GRANTING DEGREES AND CERTIFICATES BY ETHNIC GROUP, SEX, AND TIME WORKED
SEPTEMBER 1, 1973 - AUGUST 31, 1974

Ethnic Group	Line No.	Sex	Baccalaureate				Master's Degrees										Doctorate										TOTAL			
							Library Science				Other Subject Area				Subtotal				Library Science				Other Subject Area				Subtotal							
			Part Time		Full Time		Part Time		Full Time		Part Time		Full Time		Part Time		Full Time		Part Time		Full Time		Part Time		Full Time		Part Time		Full Time		Part Time		Full Time	
			Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent
(a)			(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)	(y)	(z)	(a')	(b')	(c')	(d')	(e')	(f')	(g')
White	(1)	F	25	48.0	11	39.2	295	57.8	183	37.8	40	46.5	22	40.7	335	56.2	205	91.2	9	31.4	82	28.2	39	33.6	34	28.3	48	30.1	116	27.9	404	56.8	332	38.2
	(2)	M	21	40.3	15	53.5	178	34.5	128	38.9	59	49.3	30	55.5	215	36.0	158	39.9	34	73.6	186	64.1	60	57.6	86	67.1	91	62.5	272	65.0	327	41.4	445	32.6
	(3)	T	46	88.4	26	92.8	473	92.3	311	88.0	99	91.8	52	96.2	550	92.2	363	88.9	43	95.2	268	92.4	99	91.3	120	93.7	135	92.6	388	92.8	731	92.0	777	91.8
American Indian	(4)	F	0	0.0	0	0.0	1	0.7	2	0.5	0	0.0	0	0.0	1	0.1	2	0.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	2	0.2
	(5)	M	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	(6)	T	0	0.0	0	0.0	1	0.1	2	0.5	0	0.0	0	0.0	1	0.1	2	0.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	2	0.2
Asian American	(7)	F	0	0.0	1	3.5	0	0.0	3	0.8	2	2.3	1	1.8	2	0.3	4	1.0	0	0.0	4	1.5	1	0.9	3	2.5	1	0.6	7	1.6	3	0.3	12	1.4
	(8)	M	1	1.9	0	0.0	2	0.3	0	0.0	1	1.1	0	0.0	3	0.5	0	0.6	0	0.0	3	1.0	0	0.0	2	1.5	0	0.0	5	1.1	4	0.5	5	0.5
	(9)	T	1	1.9	1	3.5	2	0.3	3	0.8	3	3.4	1	1.8	5	0.8	4	1.0	0	0.0	7	2.6	1	0.9	5	3.9	1	0.6	12	2.8	7	0.8	17	2.0
Black	(10)	F	4	7.6	0	0.0	17	3.3	15	4.3	0	0.0	0	0.0	17	2.8	15	3.7	1	2.3	5	1.7	1	0.9	0	0.0	2	1.2	5	1.1	23	2.8	20	2.3
	(11)	M	0	0.0	0	0.0	8	1.5	10	2.8	2	2.3	0	0.0	10	1.6	10	2.5	0	0.0	4	1.5	1	0.9	2	1.5	1	0.6	6	1.4	11	1.3	16	1.8
	(12)	T	4	7.6	0	0.0	25	4.8	25	7.2	2	2.3	0	0.0	27	4.3	25	6.2	1	2.3	9	3.1	2	1.9	2	1.5	3	2.0	11	2.6	34	4.2	36	4.2
Spanish Surnamed	(13)	F	0	0.0	0	0.0	4	0.7	0	0.0	0	0.0	0	0.0	4	0.6	0	0.8	0	0.0	0	0.0	1	0.9	0	0.0	1	0.6	0	0.0	5	0.6	0	0.0
	(14)	M	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0	1	1.8	1	0.1	1	0.2	1	2.3	1	0.5	3	2.8	0	0.0	4	2.7	1	0.2	5	0.6	2	0.2
	(15)	T	0	0.0	0	0.0	5	0.9	0	0.0	0	0.0	1	1.8	5	0.8	1	0.2	1	2.3	1	0.3	4	3.8	0	0.0	5	3.4	1	0.2	10	1.2	2	0.2
Other	(16)	F	0	0.0	0	0.0	1	0.1	1	0.2	1	1.1	0	0.0	2	0.3	1	0.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.2	1	0.1
	(17)	M	1	1.9	1	3.5	5	0.9	4	1.1	1	1.1	0	0.0	6	1.0	4	1.0	0	0.0	5	1.7	2	1.9	1	0.7	2	1.2	6	1.4	8	1.1	11	1.3
	(18)	T	1	1.9	1	3.5	6	1.1	5	1.4	2	2.3	0	0.0	8	1.3	5	1.2	0	0.0	5	1.7	2	1.9	1	0.7	2	1.2	6	1.4	11	1.3	12	1.4
TOTAL	(19)	F	29	55.7	12	42.8	318	62.3	204	58.9	43	50.0	23	42.5	361	60.5	227	96.7	10	23.8	91	31.5	38	36.5	37	28.9	48	32.8	128	30.6	458	55.1	387	45.3
	(20)	M	23	44.2	16	57.1	182	37.6	142	41.0	43	50.0	31	57.4	235	39.4	173	43.2	32	76.1	199	68.6	66	63.4	91	71.0	94	67.1	290	69.3	356	44.8	479	56.6
	(21)	T	52	99.9	28	99.9	518	99.9	346	99.9	86	100	54	99.9	596	99.9	400	99.9	42	99.9	290	99.9	104	99.9	128	99.9	142	99.9	418	99.9	794	99.9	846	99.9

Frequencies total down and across.
Percentages are computed down and the total appears in line 21. For example, in line 1, 25 (column b) is 48% (column c) of 52 (line 21, column b).

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TABLE 6 ETHNICITY OF FACULTY IN U.S. LIBRARY EDUCATION PROGRAMS GRANTING DEGREES AND CERTIFICATES BY HIGHEST DEGREE HELD, SEX, AND TIME WORKED SEPTEMBER 1, 1973 - AUGUST 31, 1974

Degrees		Line No.	Sex	Ethnicity of Faculty in U.S. Library Education Programs: Whites				American Indian				Asian American				Black				Spanish Surnamed				Other				TOTAL			
				Part Time		Full Time		Part Time		Full Time		Part Time		Full Time		Part Time		Full Time		Part Time		Full Time		Part Time		Full Time		Part Time		Full Time	
				Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent	Freq	Per cent
(a)				(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)	(y)	(z)	(a')	(b')	(c')
Baccalaureate		(1)	F	25	3.4	11	1.4	0	0.0	0	0.0	0	0.0	1	5.8	4	11.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	29	3.6	12	1.4
		(2)	M	21	2.8	15	1.9	0	0.0	0	0.0	1	14.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	9.0	1	8.3	23	2.8	16	1.8
		(3)	T	46	6.2	26	3.3	0	0.0	0	0.0	1	14.2	1	5.8	4	11.7	0	0.0	0	0.0	0	0.0	1	9.0	1	8.3	52	6.5	28	3.3
Master's Degree	Library Science	(4)	F	295	40.3	183	23.5	1	100	2	100	0	0.0	3	17.6	17	50.0	15	41.6	4	40.0	0	0.0	1	9.0	1	8.3	318	40.0	204	24.1
		(5)	M	176	24.0	128	16.4	0	0.0	0	0.0	2	28.5	0	0.0	8	23.5	10	27.7	1	10.0	0	0.0	5	45.4	4	33.3	192	24.1	142	16.7
		(6)	T	471	64.4	311	40.0	1	100	2	100	2	28.5	3	17.6	25	73.5	25	69.4	5	50.0	0	0.0	6	54.5	5	41.6	510	64.2	346	40.8
	Other Subject Area	(7)	F	40	5.4	22	2.8	0	0.0	0	0.0	2	28.5	1	5.8	0	0.0	0	0.0	0	0.0	0	0.0	1	9.0	0	0.0	43	5.4	23	2.7
		(8)	M	39	5.3	30	3.8	0	0.0	0	0.0	1	14.2	0	0.0	2	5.8	0	0.0	0	0.0	1	50.0	1	9.0	0	0.0	43	5.4	31	3.6
		(9)	T	79	10.8	52	6.6	0	0.0	0	0.0	3	42.8	1	5.8	2	5.8	0	0.0	0	0.0	1	50.0	2	18.1	0	0.0	86	10.8	54	6.3
	Subtotal	(10)	F	335	45.8	205	26.3	1	100	2	100	2	28.5	4	23.5	17	50.0	15	41.6	4	40.0	0	0.0	2	18.1	1	8.3	361	45.4	227	26.8
		(11)	M	215	29.4	158	20.3	0	0.0	0	0.0	3	42.8	0	0.0	10	29.4	10	27.7	1	10.0	1	50.0	6	54.5	4	33.3	235	29.5	173	20.4
		(12)	T	550	75.2	363	46.7	1	100	2	100	5	71.4	4	23.5	27	79.4	25	69.4	5	50.0	1	50.0	8	72.7	5	41.6	596	75.0	400	47.2
Doctorate	Library Science	(13)	F	9	1.2	82	10.5	0	0.0	0	0.0	0	0.0	4	23.5	1	2.9	5	13.8	0	0.0	0	0.0	0	0.0	0	0.0	10	1.2	91	10.7
		(14)	M	31	4.2	186	23.9	0	0.0	0	0.0	0	0.0	3	17.6	0	0.0	4	11.1	1	10.0	1	50.0	0	0.0	5	41.6	32	4.0	199	23.5
		(15)	T	40	5.4	268	34.4	0	0.0	0	0.0	0	0.0	7	41.1	1	2.9	9	25.0	1	10.0	1	50.0	0	0.0	5	41.6	42	5.2	290	34.2
	Other Subject Area	(16)	F	35	4.7	34	4.3	0	0.0	0	0.0	1	14.2	3	17.6	1	2.9	0	0.0	1	10.0	0	0.0	0	0.0	0	0.0	38	4.7	37	4.3
		(17)	M	60	8.2	86	11.0	0	0.0	0	0.0	0	0.0	2	11.7	1	2.9	2	5.5	3	30.0	0	0.0	2	18.1	1	8.3	66	8.3	91	10.7
		(18)	T	95	12.9	120	15.4	0	0.0	0	0.0	1	14.2	5	29.4	2	5.8	2	5.5	4	40.0	0	0.0	2	18.1	1	8.3	104	13.0	128	15.1
	Subtotal	(19)	F	44	6.0	116	14.9	0	0.0	0	0.0	1	14.2	7	41.1	2	5.8	5	13.8	1	10.0	0	0.0	0	0.0	0	0.0	48	6.0	128	15.1
		(20)	M	91	12.4	272	35.0	0	0.0	0	0.0	0	0.0	5	29.4	1	2.9	6	16.6	4	40.0	1	50.0	2	18.1	6	50.0	98	12.3	290	34.2
		(21)	T	135	18.4	388	49.9	0	0.0	0	0.0	1	14.2	12	70.5	3	8.8	11	30.5	5	50.0	1	50.0	2	18.1	6	50.0	146	18.3	418	49.4
TOTAL		(22)	F	404	55.2	332	42.7	1	100	2	100	3	42.8	12	70.5	23	67.6	20	55.5	5	50.0	0	0.0	2	18.1	1	8.3	438	55.1	367	43.3
		(23)	M	327	44.7	445	57.2	0	0.0	0	0.0	4	57.1	5	29.4	11	32.3	16	44.4	5	50.0	2	100	9	81.8	11	91.6	356	44.8	479	56.6
		(24)	T	731	99.9	777	99.9	1	100	2	100	7	99.9	17	99.9	34	99.9	36	99.9	10	100	2	100	11	99.9	12	99.9	794	99.9	846	99.9

Frequencies total down and across.
Percentages are computed down and the total appears in line 24. For example, in line 1, 25 (column b) is 3.4% (column c) of 731 (line 24, column b).

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